

Peoples Gas crews from the South District tie-in a newly installed gas main.

The Peoples Gas Light and Coke Company **System Modernization Program** ICC 2018 1st Quarter Report
SMP Progress through: March 31, 2018

Published: May 15, 2018



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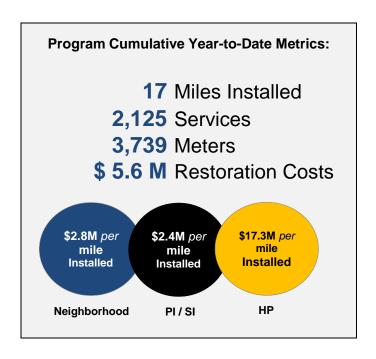
1. Summary Observations & Analysis

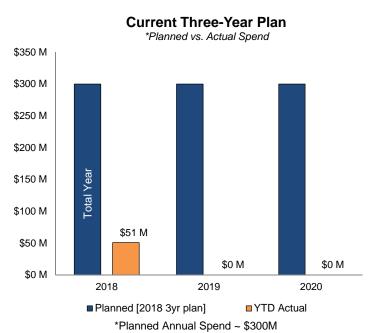
Enclosed is the Peoples Gas System Modernization Program (SMP) First Quarter Report which provides detailed first quarter progress results and the planning metrics for the remainder of the year. The information displayed on the pages that follow are actuals recorded from January 2018 through March 2018 and the plan as established in the fourth quarter of 2017.

First quarter metrics reflect a combination of planned 2018 work as well as the completion of work that was started in 2017. While this data reflects actual results for the first quarter, the reader should keep in mind that these initial data results are affected by the variability inherent in a project of the SMP's size, scope, and dynamic nature. A trend of program performance will emerge as data is evaluated in the context of an entire performance year. This trend will then be continually evaluated and analyzed from performance year to year.

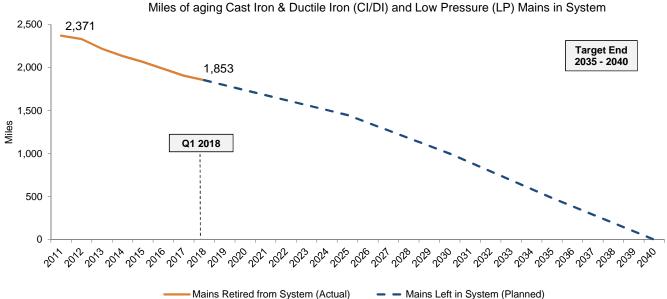
- First quarter services installed included a higher quantity of work. These additional service quantities were associated with main installation work that was completed in the fourth quarter of 2017.
- Year to date (YTD) installation quantities are slightly ahead of plan for services and slightly behind for mains, meter transfers, and field retirement. At this time the slight variance is reasonable due to a slightly slower construction start that coincides with more inclement weather than historic averages.
- The most significant variance is associated with field retirement, which is forecasted to catch up in the third quarter of this year. Field retirement has traditionally had variances from planned quantities due to the variability of switching individual customers onto new facilities prior to retiring the low pressure facilities.
- Neighborhood cost per installation mile is currently higher than the cost per installation mile for the Public Improvement / System Improvement work. This trend is anticipated to reverse over the course of the year as additional neighborhood main installation work increases.
- High Pressure installation has continued, including the installation of 24" diameter steel main to provide the necessary facility network in the Northwest side of Chicago. With this large diameter pipe construction, the cost per mile is much greater than the medium pressure construction executed through the Neighborhood and Public Improvement / System Improvement projects.

2. High Level Program Status



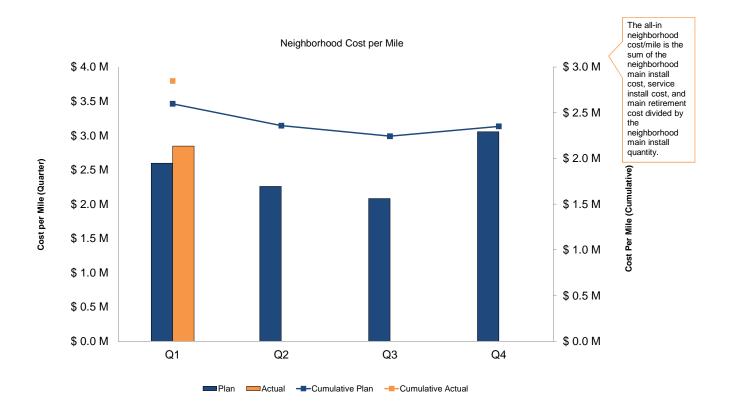


Work Draw-down Curve



Neighborhood Replacement Program – Projects that Peoples Gas ranks, designs, and constructs based on the most at risk system components identified by the company's neighborhood ranking tool.

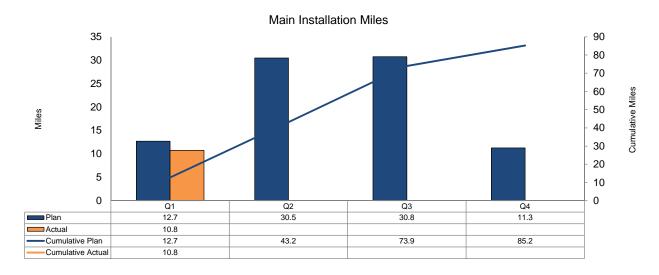
3A. Neighborhood Program Performance

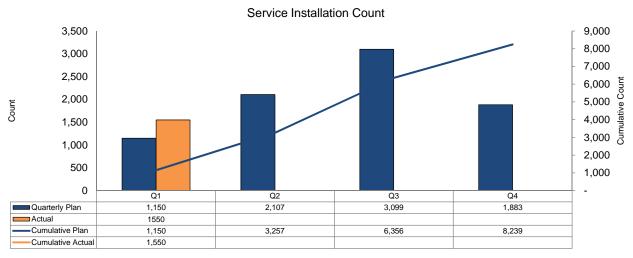


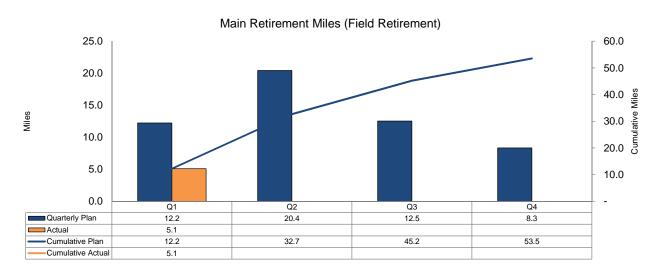
Year-to-Date Numbers

			Cumulative	Planned	Cumulative Actual							
	Co	ost (A)	Unit (B)	Cost/Unit (C=A/B)	С	ost (D)	Unit (E)	Cost/Unit (F=D/E)				
Main Install	\$	18.3 M	12.7	\$1.4 M / install mile	\$	18.8 M	10.8	\$1.7 M / install mile				
Main Retirement	\$.9 M	12.2	\$0.1 M / retire mile	\$	1.6 M	5.1	\$0.3 M / retire mile				
Service Replacement	\$	7.0 M	1,150	\$6,085 / service	\$	5.1 M	1,550	\$3,290 / service				
Meter Moves (allocation)	\$ 6.8 M 3,448		3,448	\$1,967 / meter	\$	5.2 M	2,718	\$1,902 / meter				
TOTAL	\$	33.0 M	12.7	\$2.6 M / install mile	\$	30.6 M	10.8	\$2.8 M / install mile				

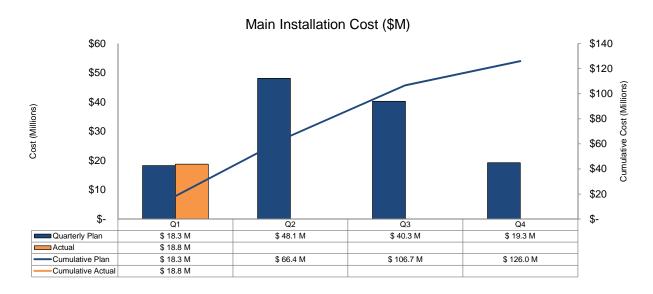
3B. Neighborhood - Quantity Graphs

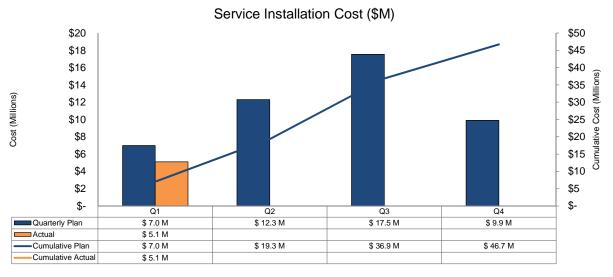


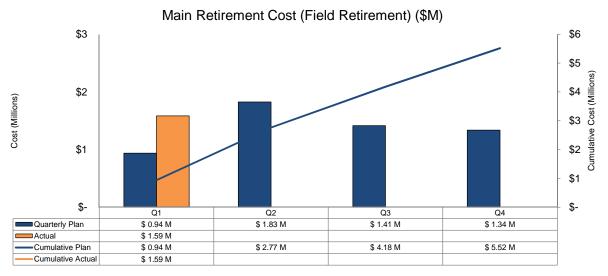




3C. Neighborhood - Cost Graphs

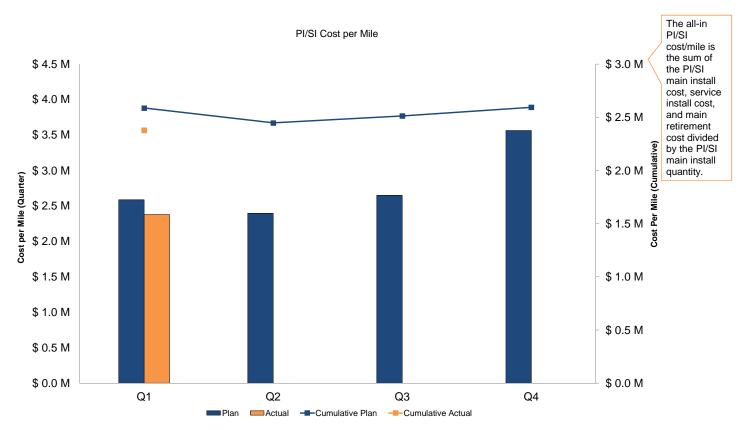






Public Improvement/System Improvement (PI/SI) - Projects similar to the Neighborhood Replacement Program, but other factors require the upgrade or relocation of existing vulnerable material - Peoples Gas is responding to a third party request to relocate or replace facilities due to conflicts with the third party or addressing capacity or reliability concerns.

4A. Public Improvement / System Improvement Program Performance

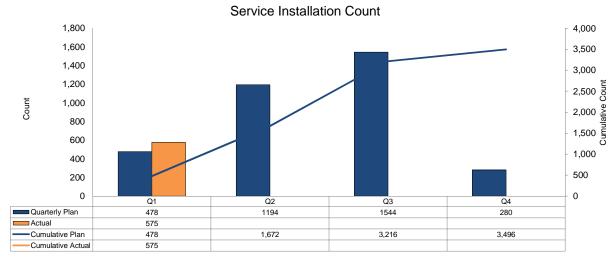


Year to Date Numbers

		Cumulative	Planned		Cumulativ	e Actual
	Cost (A)	Unit (B)	Cost/Unit (C=A/B)	Cost (D)	Unit (E)	Cost/Unit (F=D/E)
Main Install	\$ 9.4 M	6.1	\$1.5 M / install mile	\$ 11.4 N	6.1	\$1.9 M / install mile
Main Retirement	\$ 1.3 M	2.7	\$0.5 M / retire mile	\$.1 N	1.7	\$0.0 M / retire mile
Service Replacement	\$ 3.6 M	478	\$7,447 / service	\$ 1.2 N	575	\$2,147 / service
Meter Allocation (Indirect)	\$ 1.6 M	814	\$1,955 / meter	\$ 1.8 N	1,021	\$1,798 / meter
TOTAL	\$ 15.8 M	6.1	\$2.6 M / install mile	\$ 14.5 N	6.1	\$2.4 M / install mile

4B. Public Improvement / System Improvement - Quantity Graphs

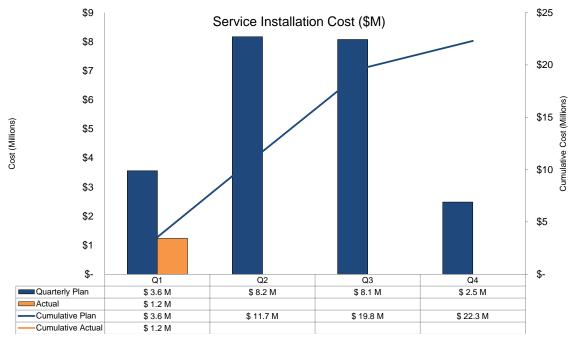


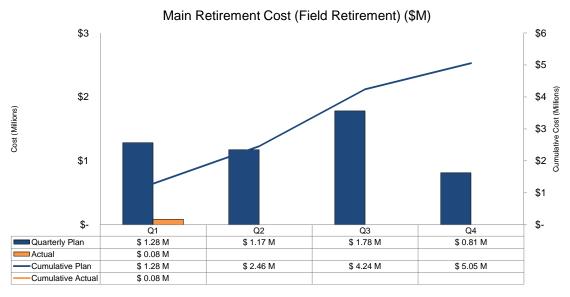




4C. Public Improvement / System Improvement - Cost Graphs

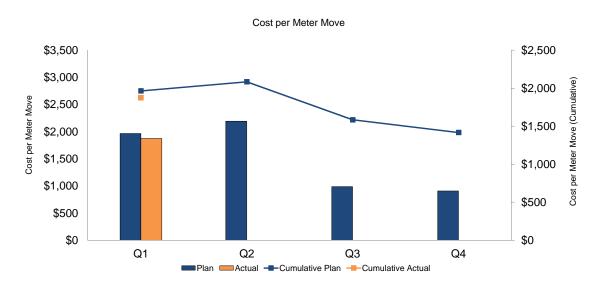






Meter Relocation - Costs associated with moving customer meters as part of the system modernization program.

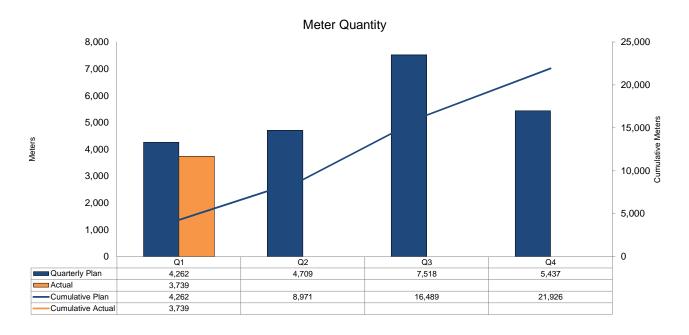
5A. Meter Relocation Program Performance

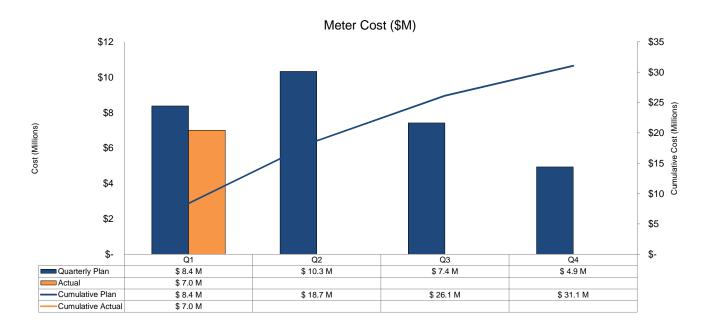


Year to Date Numbers

		(Cumulative	Planned		C	Cumulativ	ve Actual
	Co	ost (A)	Unit (B)	Cost/Unit (C=A/B)	Cos	st (D)	Unit (E)	Cost/Unit (F=D/E)
Meters Installed	\$	8.4 M	4,262	\$1,965 / meter	\$	7.0 M	3,739	\$1,874 / meter

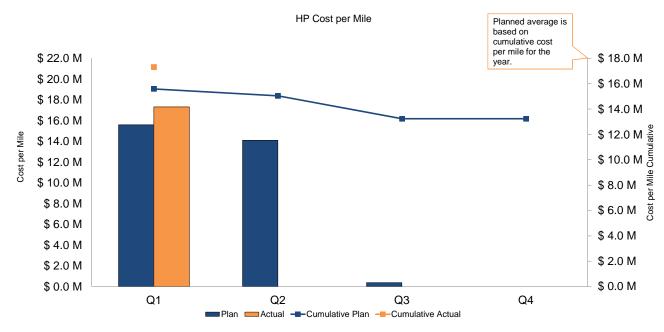
5B. Meter Relocation Quantity and Cost





High Pressure - Projects that support upgrading the system from Low Pressure to Medium pressure as well as projects establishing records and maximum allowable operating pressures.

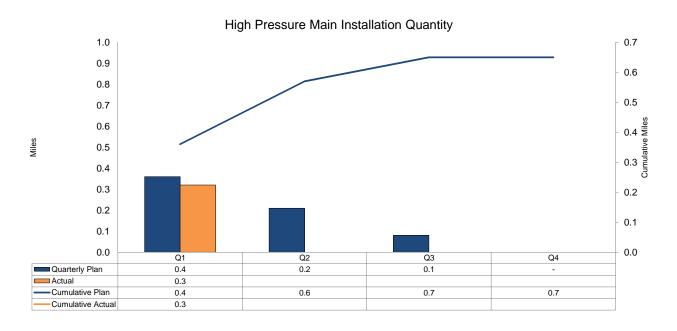
6A. HP Program Performance

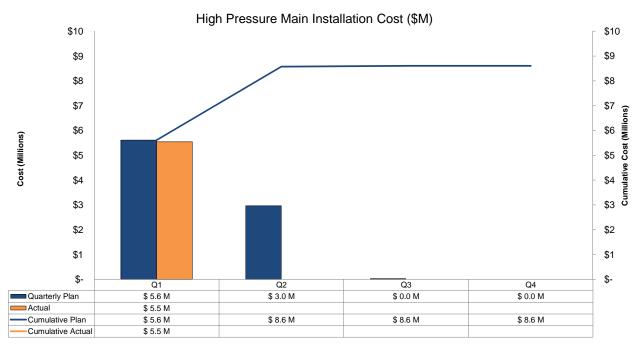


Year to Date Numbers

		Cumulativ	e Planned		Cumulativ	ve Actual
	Cost (A)	Cost (A) Unit (B) Cost/Unit (C=A/B)			Unit (E)	Cost/Unit (F=D/E)
Main Install	\$ 5.6	M 0.36	\$15.6 M / install mile	\$ 5.5 M	0.32	\$17.3 M / install mile

6B. High Pressure Main Installation





7A. Disconnection Metrics

A.1. Number of Disconnections per month

	<u>2018-01</u>	<u>2018-02</u>	<u>2018-03</u>	<u>Total</u>
Res Heating -Low Income ⁽¹⁾	-	-	-	-
Res Heating -Not-Low Income ⁽¹⁾	-	-	-	-
Res Non-Heating	-	-	-	-
Non Residential	36	13	26	75
Total	36	13	26	75

A.2. Percentage of Disconnections per month

	<u>2018-01</u>	<u>2018-02</u>	<u>2018-03</u>	<u>Total</u>
Res Heating -Low Income ⁽¹⁾	0.0000%	0.0000%	0.0000%	0.0000%
Res Heating -Not-Low Income ⁽¹⁾	0.0000%	0.0000%	0.0000%	0.0000%
Res Non-Heating	0.0000%	0.0000%	0.0000%	0.0000%
Non-Residential	0.0401%	0.0145%	0.0290%	0.0836%

A.3. Number of Accounts Eligible for Disconnection

	<u>2018-01</u>	<u>2018-02</u>	<u>2018-03</u>	<u>Total</u>
Res Heating -Low Income ⁽¹⁾	-	-	-	-
Res Heating -Not-Low Income ⁽¹⁾	-	-	-	-
Res Non-Heating	-	-	-	-
Non Residential	2,449	2,517	2,838	7,804
Total	2,449	2,517	2,838	7,804

A.4. Number of Reconnections per month

	<u>2018-01</u>	<u>2018-02</u>	<u>2018-03</u>	<u>Total</u>
Res Heating -Low Income ⁽¹⁾	19	3	10	32
Res Heating -Not-Low Income ⁽¹⁾	27	5	34	66
Res Non-Heating	-	-	1	1
Non Residential	41	7	11	59
Total	87	15	56	158

Notes

⁽¹⁾Low Income is defined as accounts that received LIHEAP funding in the current program year which runs September through August.

7B. Uncollectibles Metrics

B.1. Dollar Amount of Uncollectibles

	<u>2018-01</u>	<u>2018-02</u>	<u>2018-03</u>	<u>Total</u>
S.C. 1 Heating - Low Income ⁽¹⁾	\$ 28,638.72	\$ 33,273.05	\$ 22,050.04	\$ 83,961.81
S.C. 1 Heating - Not Low Income ⁽¹⁾	\$ 1,922,930.47	\$ 1,528,553.72	\$ 1,741,809.12	\$ 5,193,293.31
S.C. 1 Non-Heating	\$ 151,256.63	\$ 115,896.46	\$ 113,278.27	\$ 380,431.37
S.C. 2	\$ 179,717.18	\$ 215,767.31	\$ 168,537.15	\$ 564,021.63
S.C. 4	\$ -	\$ -	\$ -	\$ -
S.C. 8	\$ -	\$ -	\$ -	\$ -
Total	\$ 2,282,543.00	\$ 1,893,490.54	\$ 2,045,674.58	\$ 6,221,708.12

Notes:

⁽¹⁾Low Income is defined as accounts that received LIHEAP funding in the current program year which runs September through August.

7C. Bill Impact Metrics - January 2018

											Dollars						
Line <u>No.</u>	Service Classfication [A]	Therm Sales (1) [B]	Number of Customers (2)	Average monthly usage per service <u>classification</u> [D] = [B] / [C]	Base Rate Charges (3) [E]		der QIP arges ⁽⁴⁾ [F]		Gas <u>Charges ⁽⁵⁾</u> [G]		Other Rider Charges ⁽⁶⁾ [H]		Other State Charges ⁽⁷⁾ [I]	State and Municipal <u>Taxes</u> ⁽⁸⁾ [J]		<u>Total</u> [K] Sum of col. [E]-[.	
1	Sales																
2	S. C. 1 Non-Htg	1,403,293	93,776	15	\$ 1,835,15	8 \$	127,690	\$	484,811	\$	63,345	\$	49,524	\$	246,305	\$	2,806,832
3	S. C. 1 Heating	137,680,272	625,102	220	53,424,38	2	3,752,383		46,619,461		5,183,620		334,656		12,422,767		121,737,268
4	S. C. 2	57,543,131	73,830	779	15,639,37	8	1,106,146		19,475,055		2,267,316		347,309		4,568,749		43,403,953
5	S. C. 4	315,518	10	31,552	54,09	9	3,892		116,322		7,715		-		15,727		197,756
6	S. C. 5/7	_				-	-		-		-		-		-		-
7	S. C. 8	19,876	65	306	15,22	7	698	_	6,751	_	552	_	13	_	344		23,584
8	Total Sales	196,962,090	792,783		\$ 70,968,24	4 \$	4,990,808	\$	66,702,400	\$	7,522,547	\$	731,502	\$	17,253,892	\$	168,169,394
9	Transportation																
10	S. C. 1 Non-Htg	152,824	10,990	14	205,21	8	14,320		1,590		4,189		5,784		32,484		263,585
11	S. C. 1 Heating	13,654,429	59,968	228	4,674,38	4	328,044		74,960		382,127		32,033		1,629,778		7,121,326
12	S. C. 2	67,192,243	7,402	9,078	11,661,96	5	870,256		776,810		2,533,783		100,562		2,044,893		17,988,269
13	S. C. 4	27,608,350	168	164,335	2,478,73	2	35,628		155,390		860,744		4,492		1,650,125		5,185,110
14	S. C. 5 / 7	3,085,699	3	1,028,566	463,66	7			-		43,035		3,191		128,996		638,889
15	S. C. 8	70,257	5	14,051	11,37	9	874		860		1,459		32		6,856		21,460
16	Contract and Pool				126,73	8	5,432	_	536,952	_		_		_	54,680		723,802
17	Total Transportation	111,763,803	78,536		\$ 19,622,08	3 \$	1,254,554	\$	1,546,562	\$	3,825,337	\$	146,094	\$	5,547,812	\$	31,942,442
18	Sales and Transportation	on															
19	S. C. 1 Non-Htg	1,556,117	104,766	15	2,040,37	6	142,010		486,401		67,533		55,308		278,789		3,070,418
20	S. C. 1 Heating	151,334,701	685,070	221	58,098,76	6	4,080,427		46,694,421		5,565,747		366,689		14,052,545		128,858,595
21	S. C. 2	124,735,375	81,232	1,536	27,301,34	3	1,976,402		20,251,865		4,801,099		447,871		6,613,642		61,392,222
22	S. C. 4	27,923,868	178	156,876	2,532,83	1	39,519		271,712		868,460		4,492		1,665,852		5,382,865
23	S. C. 5 / 7	3,085,699	3	1,028,566	463,66						43,035		3,191		128,996		638,889
24	S. C. 8	90,133	70	1,288	26,60		1,571		7,611		2,011		45		7,200		45,045
25	Contract and Pool				126,73	8	5,432	_	536,952	_		_		_	54,680		723,802
26	Total Sales and Transportation	308,725,892	871,319		\$ 90,590,32	7 \$	6,245,362	\$	68,248,962	\$	11,347,885	\$	877,596	\$	22,801,704	\$	200,111,835
27	Add: Other Revenues (9)															\$	(7,282,142)
28	Operating Revenues plus	s State and Muncipa	alities Taxes and Otl	ner State Charges (line	e 26 + line 27)										-	\$	192,829,693

^{*} There may be differences due to rounding.

Notes: (1) Excludes Company Use of 679,320 therms.

(2) Number of customers at January 17, 2018

(3) Base Rate charges in effect and include Rider UEA, Rider VBA and Rider SSC.

(4) Rider QIP charges

(5) Gas charge and refund adjustments.

(6) Charges under Rider UEA-Gas Cost, Rider 11 and Rider EOA.

(7) Additional state charges under Rider 1.

(8) Additional charge for state and municipal utility taxes under Rider 1.

(9) Other revenues consist of amounts in ICC Account 487, 488, 489.3, 493 and 495.

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7C. Bill Impact Metrics - February 2018

2 S.C. 1 Non-Hig 1,121,333 93,762 12 \$ 1,668,077 \$ 114,630 \$ 362,975 \$ 49,726 \$ 46,419 \$ 213,602 \$ 2	Line <u>No.</u>	Service Classfication [A]	Therm Sales (1) [B]	Number of Customers (2)	Average monthly usage per service classification [D] = [B] / [C]	Base Rate Charges (3) [E]	Rider QIP Charges ⁽⁴⁾ [F]	Gas Charges ⁽⁵⁾ [G]	Other Rider Charges (6) [H]	Other State Charges (7) [I]	State and Municipal <u>Taxes ⁽⁸⁾</u> [J]	Sur	Total [K] n of col. [E]-[J]
2 S.C. 1 Non-Hig 1,121,333 93,762 12 \$ 1,688,077 \$ 114,630 \$ 362,975 \$ 49,726 \$ 46,419 \$ 213,602 \$ 2 2 3 5.C. 1 Heating 109,122,891 627,811 174 46,040,082 3,147,771 35,428,233 4,091,177 321,741 10,054,648 95 4 5.C. 2 49,020,693 63,048 778 13,887,750 947,581 15,961,845 1965,564 311,211 3,887,600 36 5 5.C. 4 272,674 7 38,953 48,474 3,348 88,800 7,747 19 17,751 5 5.C. 5 7	1	Sales											
3 S. C. 1 Heating 109,122,891 627,811 174 46,040,082 3,147,771 35,428,233 4,091,177 321,741 10,054,648 96 4 S. C. 2 49,020,6003 63,048 778 13,697,750 947,581 15,951,445 1,965,544 311,211 3,887,600 36 5 S. C. 4 272,674 7 38,953 48,474 3,348 88,800 7,747 19 17,751 6 S. C. 5/7	2		1.121.333	93.762	12	\$ 1.668.077	\$ 114.630	\$ 362.975	\$ 49.726	\$ 46,419	\$ 213.60	2 \$	2,455,429
S. C. 4 272,674 7 38,953 48,474 3,348 88,800 7,747 19 17,751 6 S. C. 5 /	3	•											99,083,652
6 S. C. 5 / 7 7 S. C. 8 (20.012) 35 (572) (29.072) (2.125) (7,318) (475) 3 59 8 Total Sales 159,517,490 784,663 \$ 61,425,310 \$ 4,211,205 \$ 51,824,536 \$ 6,113,740 \$ 679,392 \$ 14,173,661 \$ 138 9 Transportation 10 S. C. 1 Non-Hig 116,340 10,856 11 188,564 12,982 1,494 3,287 5,514 27,775 11 S. C. 1 Heating 10,872,550 59,098 184 4,009,324 276,431 79,061 305,805 29,912 1,323,792 6 12 5, C. 2 61,867,002 18,362 3,369 9,684,329 (28,491) 455,772 2,266,420 84,452 9,706,876 22 13 S. C. 4 21,314,077 168 126,870 2,842,715 195,565 124,201 602,891 5,589 1,529,879 5 14 S. C. 6 / 7 5,834,198 3 1,944,733 (3,493) 4 64,152 880 (21,971) 15 S. C. 8 68,204 5 13,447,31 (3,493) 4 64,152 880 (21,971) 16 Contract and Pool 72,828 (1,363) 948,481 34,456 11 7 Total Transportation 18 Sales and Transportation 19 S. C. 1 Non-Hig 1,237,673 104,618 12 1,866,641 127,612 364,469 53,013 51,933 241,377 2	4	•			778								36,761,552
7 S. C. 8 (20.012) 35 (572) (29.072) (2,125) (7,318) (475) 3 59 8 Total Sales 159,517,490 784,663 \$ 61,425,310 \$ 4,211,205 \$ 51,824,536 \$ 6,113,740 \$ 679,392 \$ 14,173,661 \$ 138 9 Transportation 10 S. C. 1 Non-Htg 116,340 10,856 111 188,564 12,982 1,494 3,287 5,514 27,775 11 S. C. 1 Heating 10,872,550 59,098 184 4,009,324 276,431 79,061 305,805 29,912 1,323,792 62 12 S. C. 2 61,867,002 18,362 3,369 9,884,329 (28,491) 455,772 2,266,420 84,452 9,706,876 22 13 S. C. 4 21,314,077 168 126,870 2,842,715 195,565 124,201 602,891 5,589 1,529,879 5 14 S. C. 5 / 7 5,834,198 3 1,944,733 (3,493) -	5	S. C. 4	272,674	7	38,953	48,474	3,348	88,800	7,747	19	17,75	1	166,139
8 Total Sales 159,517,490 784,663 \$ 61,425,310 \$ 4,211,205 \$ 51,824,536 \$ 6,113,740 \$ 679,392 \$ 14,173,661 \$ 138 9 Transportation 10 S. C. 1 Non-Htg 116,340 10,856 11 188,564 12,982 1,494 3,287 5,514 27,775 11 S. C. 1 Heating 10,872,550 59,098 184 4,009,324 276,431 79,061 305,805 29,912 1,323,792 6 6 7 7 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7 8	6	S. C. 5/7	-	-		-	-	-	-	_		_	-
9 Transportation 10 S. C. 1 Non-Htg	7	S. C. 8	(20,012)	35	(572)	(29,072)	(2,125)	(7,318	(475)	3	5	9	(38,928)
10 S. C. 1 Non-Hig 116,340 10,856 11 188,564 12,982 1,494 3,287 5,514 27,775 11 S. C. 1 Heating 10,872,550 59,098 184 4,009,324 276,431 79,061 305,805 29,912 1,323,792 6 6 7	8	Total Sales	159,517,490	784,663		\$ 61,425,310	\$ 4,211,205	\$ 51,824,536	\$ 6,113,740	\$ 679,392	\$ 14,173,66	1 \$	138,427,844
11 S. C. 1 Heating 10,872,550 59,098 184 4,009,324 276,431 79,061 305,805 29,912 1,323,792 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9	Transportation											
12 S.C. 2 61,867,002 18,362 3,369 9,684,329 (28,491) 455,772 2,266,420 84,452 9,706,876 22 13 S.C. 4 21,314,077 168 126,870 2,842,715 195,565 124,201 602,891 5,589 1,529,879 5 14 S.C. 5/7 5,834,198 3 1,944,733 (3,493) 46,152 800 (21,971) 15 S.C. 8 68,204 5 13,641 9,639 675 470 1,957 11 7,121 16 Contract and Pool	10	S. C. 1 Non-Htg	116,340	10,856	11	188,564	12,982	1,494	3,287	5,514	27,77	5	239,616
13 S. C. 4	11	S. C. 1 Heating	10,872,550	59,098	184	4,009,324	276,431	79,061	305,805	29,912	1,323,79	2	6,024,324
14 S. C. 5 / 7 5,834,198 3 1,944,733 (3,493) 46,152 800 (21,971) 15 S. C. 8 68,204 5 13,641 9,639 675 470 1,957 11 7,121 16 Contract and Pool 72,828 (1,363) 948,481 34,456 1 17 Total Transportativ 100,072,372 88,492 \$ 16,803,907 \$ 455,799 \$ 1,609,479 \$ 3,226,512 \$ 126,278 \$ 12,607,928 \$ 34 18 Sales and Transportation 19 S. C. 1 Non-Htg 1,237,673 104,618 12 1,856,641 127,612 364,469 53,013 51,933 241,377 2 20 S. C. 1 Heating 119,995,442 686,909 175 50,049,406 3,424,202 35,507,294 4,396,982 351,663 11,378,440 100 21 S. C. 2 110,887,605 81,410 1,362 23,382,079 919,089 16,407,617 4,231,984 395,663 13,594,477 58 22 S. C. 4 21,586,751 175 123,353 2,891,189 198,913 213,001 610,638 5,607 1,547,630 5 23 S. C. 5 / 7 5,834,198 3 1,944,733 (3,493) 46,152 800 (21,971) 24 S. C. 8 48,192 40 1,205 (19,433) (1,450) (6,847) 1,482 14 7,181 25 Contract and Pool 72,828 (1,363) 948,481 34,456 1 Total Sales and Transportation 259,589,861 873,155 \$ 78,229,217 \$ 4,667,004 \$ 53,434,015 \$ 9,340,252 \$ 805,670 \$ 26,781,588 \$ 173 27 Add: Other Revenues (9)	12	S. C. 2	61,867,002	18,362	3,369	9,684,329	(28,491)	455,772	2,266,420	84,452	9,706,87	6	22,169,357
15 S. C. 8 68,204 5 13,641 9,639 675 470 1,957 11 7,121 16 Contract and Pool	13	S. C. 4	21,314,077	168	126,870	2,842,715	195,565	124,201	602,891	5,589	1,529,87	9	5,300,840
16 Contract and Pool	14	S. C. 5/7	5,834,198	3	1,944,733	(3,493)	_	-	46,152	800	(21,97	1)	21,488
18 Sales and Transportation 19 S. C. 1 Norn-Hig 1,237,673 104,618 12 1,856,641 127,612 364,469 53,013 51,933 241,377 2 20 S. C. 1 Heating 119,995,442 686,909 175 50,049,406 3,424,202 35,507,294 4,396,982 351,653 11,378,440 105 21 S. C. 2 110,887,605 81,410 1,362 23,382,079 919,089 16,407,617 4,231,984 395,663 13,594,477 58 22 S. C. 4 21,586,751 175 123,353 2,891,189 198,913 213,001 610,638 5,607 1,547,630 5 23 S. C. 5 / 7 5,834,198 3 1,944,733 (3,493) 46,152 800 (21,971) 24 S. C. 8 48,192 40 1,205 (19,433) (1,450) (6,847) 1,482 14 7,181 25 Contract and Pool 72,828 (1,363) 948,481 34,456 1 Total Sales and Transportation 259,589,861 873,155 \$ 78,229,217 \$ 4,667,004 \$ 53,434,015 \$ 9,340,252 \$ 805,670 \$ 26,781,588 \$ 173,440 105 105 105 105 105 105 105 105 105 10	15	S. C. 8	68,204	5	13,641	9,639	675	470	1,957	11	7,12	1	19,874
18 Sales and Transportation 19 S. C. 1 Non-Htg 1,237,673 104,618 12 1,856,641 127,612 364,469 53,013 51,933 241,377 2 20 S. C. 1 Heating 119,995,442 686,909 175 50,049,406 3,424,202 35,507,294 4,396,982 351,653 11,378,440 105 21 S. C. 2 110,887,605 81,410 1,362 23,382,079 919,089 16,407,617 4,231,984 395,663 13,594,777 58 22 S. C. 4 21,586,751 175 123,353 2,891,189 198,913 213,001 610,638 5,607 1,547,630 58 23 S. C. 5 / 7 5,834,198 3 1,944,733 (3,493) 46,152 800 (21,971) 24 S. C. 8 48,192 40 1,205 (19,433) (1,450) (6,847) 1,482 14 7,181 25 Contract and Pool 72,828 (1,363) 948,481 34,456 1 Total Sales and Total Sales and Total Sales and Add: Other Revenues (9)	16	Contract and Pool	<u> </u>		-	72,828	(1,363)	948,481			34,45	6	1,054,403
19 S. C. 1 Non-Htg 1,237,673 104,618 12 1,856,641 127,612 364,469 53,013 51,933 241,377 2 20 S. C. 1 Heating 119,995,442 686,909 175 50,049,406 3,424,202 35,507,294 4,396,982 351,653 11,378,440 105 21 S. C. 2 110,887,605 81,410 1,362 23,382,079 919,089 16,407,617 4,231,984 395,663 13,594,477 58 22 S. C. 4 21,586,751 175 123,353 2,891,189 198,913 213,001 610,638 5,607 1,547,630 5 23 S. C. 5 / 7 5,834,198 3 1,944,733 (3,493) -	17	Total Transportation	100,072,372	88,492		\$ 16,803,907	\$ 455,799	\$ 1,609,479	\$ 3,226,512	\$ 126,278	\$ 12,607,92	8 \$	34,829,902
20 S. C. 1 Heating 119,995,442 686,909 175 50,049,406 3,424,202 35,507,294 4,396,982 351,653 11,378,440 105 21 S. C. 2 110,887,605 81,410 1,362 23,382,079 919,089 16,407,617 4,231,984 395,663 13,594,477 58 22 S. C. 4 21,586,751 175 123,353 2,891,189 198,913 213,001 610,638 5,607 1,547,630 5 23 S. C. 5 / 7 5,834,198 3 1,944,733 (3,493) 46,152 800 (21,971) 24 S. C. 8 48,192 40 1,205 (19,433) (1,450) (6,847) 1,482 14 7,181 25 Contract and Pool 72,828 (1,363) 948,481 34,456 1 Total Sales and 26 Transportation 259,589,861 873,155 \$ 78,229,217 \$ 4,667,004 \$ 53,434,015 \$ 9,340,252 \$ 805,670 \$ 26,781,588 \$ 173 27 Add: Other Revenues (9)	18	Sales and Transpo	rtation										
21 S. C. 2 110,887,605 81,410 1,362 23,382,079 919,089 16,407,617 4,231,984 395,663 13,594,477 58 22 S. C. 4 21,586,751 175 123,353 2,891,189 198,913 213,001 610,638 5,607 1,547,630 5 23 S. C. 5 / 7 5,834,198 3 1,944,733 (3,493) 46,152 800 (21,971) 24 S. C. 8 48,192 40 1,205 (19,433) (1,450) (6,847) 1,482 14 7,181 25 Contract and Pool 72,828 (1,363) 948,481 34,456 1 Total Sales and 26 Transportation 259,589,861 873,155 \$ 78,229,217 \$ 4,667,004 \$ 53,434,015 \$ 9,340,252 \$ 805,670 \$ 26,781,588 \$ 173 27 Add: Other Revenues (9)	19	S. C. 1 Non-Htg	1,237,673	104,618	12	1,856,641	127,612	364,469	53,013	51,933	241,37	7	2,695,045
22 S. C. 4 21,586,751 175 123,353 2,891,189 198,913 213,001 610,638 5,607 1,547,630 5 23 S. C. 5 / 7 5,834,198 3 1,944,733 (3,493) 46,152 800 (21,971) 24 S. C. 8 48,192 40 1,205 (19,433) (1,450) (6,847) 1,482 14 7,181 25 Contract and Pool 72,828 (1,363) 948,481 34,456 1 Total Sales and 26 Transportation 259,589,861 873,155 \$ 78,229,217 \$ 4,667,004 \$ 53,434,015 \$ 9,340,252 \$ 805,670 \$ 26,781,588 \$ 173	20	S. C. 1 Heating	119,995,442	686,909	175	50,049,406	3,424,202	35,507,294	4,396,982	351,653	11,378,44	0	105,107,976
23 S. C. 5 / 7 5,834,198 3 1,944,733 (3,493) - 46,152 800 (21,971) 24 S. C. 8 48,192 40 1,205 (19,433) (1,450) (6,847) 1,482 14 7,181 25 Contract and Pool 72,828 (1,363) 948,481 34,456 1 Total Sales and 26 Transportation 259,589,861 873,155 \$ 78,229,217 \$ 4,667,004 \$ 53,434,015 \$ 9,340,252 \$ 805,670 \$ 26,781,588 \$ 173 27 Add: Other Revenues (9)	21	S. C. 2	110,887,605	81,410	1,362	23,382,079	919,089	16,407,617	4,231,984	395,663	13,594,47	7	58,930,909
24 S. C. 8 48,192 40 1,205 (19,433) (1,450) (6,847) 1,482 14 7,181 25 Contract and Pool	22	S. C. 4	21,586,751	175	123,353	2,891,189	198,913	213,001	610,638	5,607	1,547,63	0	5,466,978
25 Contract and Pool									-, -	800			21,488
Total Sales and 26 Transportation 259,589,861 873,155 \$ 78,229,217 \$ 4,667,004 \$ 53,434,015 \$ 9,340,252 \$ 805,670 \$ 26,781,588 \$ 173 27 Add: Other Revenues (9)			48,192	40	1,205) 1,482	14			(19,053)
26 Transportation 259,589,861 873,155 \$ 78,229,217 \$ 4,667,004 \$ 53,434,015 \$ 9,340,252 \$ 805,670 \$ 26,781,588 \$ 173 27 Add: Other Revenues (9) \$ (1)	25	Contract and Pool	<u> </u>		-	72,828	(1,363)	948,481			34,45	6	1,054,403
27 Add: Other Revenues ⁽⁹⁾													
<u>• • • • • • • • • • • • • • • • • • • </u>	26	Transportation	259,589,861	873,155		\$ 78,229,217	\$ 4,667,004	\$ 53,434,015	\$ 9,340,252	\$ 805,670	\$ 26,781,58	8 \$	173,257,745
28 Operating Revenues plus State and Muncipalities Taxes and Other State Charges (line 26 + line 27) \$ 171	27	Add: Other Revenue	s ⁽⁹⁾									\$	(1,547,822)
	28	Operating Revenues	plus State and Mu	ncipalities Taxes an	d Other State Charges	(line 26 + line 27)						\$	171,709,924

^{*} There may be differences due to rounding.

Notes: (1) Excludes Company Use of 565,130 therms.

(2) Number of customers at February 16, 2018

(3) Base Rate charges in effect and include Rider UEA, Rider VBA and Rider SSC.

(4) Rider QIP charges

(5) Gas charge and refund adjustments.

(6) Charges under Rider UEA-Gas Cost, Rider 11 and Rider EOA.

(7) Additional state charges under Rider 1.

(8) Additional charge for state and municipal utility taxes under Rider 1.

(9) Other revenues consist of amounts in ICC Account 487, 488, 489.3, 493 and 495.

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7C. Bill Impact Metrics - March 2018

Line <u>No.</u>		Therm Sales (1) [B]	Number of Customers (2) [C]	Average monthly usage per service classification [D] = [B] / [C]		ase Rate harges (3) [E]		Rider QIP Charges (4) [F]		Gas Charges (5) [G]		ther Rider Charges ⁽⁶⁾ [H]		Other State Charges (7) [I]		State and Municipal Taxes (8) [J]		Total [K]
																	Sum	of col. [E]-[J]
1	Sales																	
2	S. C. 1 Non-Htg	1,031,541	93,747	11	\$	1,863,343	\$	156,368	\$	332,920	\$	45,263	\$	53,440	\$	228,553	\$	2,679,887
3	S. C. 1 Heating	90,261,782	628,948	144		42,605,696		3,614,009		29,147,685		3,331,622		352,777		8,770,988		87,822,777
4	S. C. 2	40,266,161	62,955	640		12,634,723		1,058,014		13,156,818		1,610,342		364,202		3,396,295		32,220,393
5	S. C. 4	190,227	4	47,557		21,215		1,941		61,349		5,269		11		13,000		102,784
6	S. C. 5 / 7	-	-	-		-		-		-		-		-		-		-
7	S. C. 8	5,689	17	335		4,545	_	382	_	1,841	_	159	_	19	_	315		7,260
8	Total Sales	131,755,400	785,671		\$	57,129,522	\$	4,830,714	\$	42,700,612	\$	4,992,655	\$	770,448	\$	12,409,150	\$	122,833,102
9	Transportation																	
10	S. C. 1 Non-Htg	107,023	10,738	10		204,246		17,128		1,338		2,937		6,057		28,817		260,524
11	S. C. 1 Heating	8,616,314	57,604	150		3,695,134		310,810		67,557		237,829		32,151		1,104,470		5,447,951
12	S. C. 2	49,864,170	18,343	2,718		10,251,105		860,556		806,045		1,788,607		105,962		4,442,137		18,254,410
13	S. C. 4	33,026,791	168	196,588		3,774,699		309,364		198,350		910,184		9,130		2,188,866		7,390,594
14	S. C. 5/7	2,503,606	3	834,535		138,757						32,444		800		37,680		209,682
15	S. C. 8	68,397	6	11,399		12,559		903		1,042		1,933		54		6,622		23,113
16	Contract and Pool		-			144,758		9,944		781,856				-		51,809		988,367
17	Total Transportation	94,186,301	86,862		\$	18,221,258	\$	1,508,705	\$	1,856,189	\$	2,973,934	\$	154,154	\$	7,860,401	\$	32,574,640
18	Sales and Transportation																	
19	S. C. 1 Non-Htg	1,138,564	104,485	11		2,067,589		173,496		334,258		48,199		59,498		257,371		2,940,411
20	S. C. 1 Heating	98,878,096	686,552	144		46,300,830		3,924,820		29,215,242		3,569,451		384,928		9,875,457		93,270,728
21	S. C. 2	90,130,331	81,298	1,109		22,885,827		1,918,569		13,962,862		3,398,950		470,163		7,838,431		50,474,803
22	S. C. 4	33,217,018	172	193,122		3,795,914		311,305		259,699		915,453		9,141		2,201,866		7,493,378
23	S. C. 5/7	2,503,606	3	834,535		138,757						32,444		800		37,680		209,682
24	S. C. 8	74,085	23	3,221		17,104		1,284		2,884		2,092		72		6,937		30,373
25	Contract and Pool					144,758	_	9,944	_	781,856	_		_		_	51,809		988,367
26	Total Sales and Transportation	225,941,701	872,533		\$	75,350,779	\$	6,339,419	\$	44,556,801	\$	7,966,589	\$	924,602	\$	20,269,551	\$	155,407,742
27	Add: Other Revenues (9)															-	\$	(11,683,188)
28	Operating Revenues plus State an	d Muncipalities Ta	xes and Other State	Charges (line 26 + line	e 27)												\$	143,724,554
	•															=		

^{*} There may be differences due to rounding.

Notes: (1) Excludes Company Use of 399,200 therms. (2) Number of customers at March 16, 2018.

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⁽³⁾ Base Rate charges in effect and include Rider UEA, Rider VBA and Rider SSC.

⁽⁴⁾ Rider QIP charges

⁽⁵⁾ Gas charge and refund adjustments.

⁽⁶⁾ Charges under Rider UEA-Gas Cost, Rider 11 and Rider EOA.

⁽⁷⁾ Additional state charges under Rider 1.

⁽⁸⁾ Additional charge for state and municipal utility taxes under Rider 1.

⁽⁹⁾ Other revenues consist of amounts in ICC Account 487, 488, 489.3, 493 and 495.

7C. Bill Impact Metrics

C4. Average residential heating customer's monthly bill

Service Classification No. 1 - Residential Heating Customer

							State &	
					Other	Other State	Municipal	
	<u>Therms⁽¹⁾</u>	Base Rates ⁽²⁾	Rider QIP	Gas Charges	<u>Riders⁽³⁾</u>	<u>Charges⁽⁴⁾</u>	<u>Taxes</u> (5)	<u>Total</u>
January	206.94	•	\$ 5.71	\$ 68.21	\$ 7.86	\$ 0.53	\$ 18.65	\$ 182.75
February	180.96	<u> </u>	\$ 5.20	\$ 58.65	· ·	\$ 0.53	\$ 16.58	\$ 163.31
March	122.26	\$ 61.55	\$ 5.18	\$ 39.47	\$ 4.51	\$ 0.53	\$ 12.21	\$ 123.44
April								
May								
June								
July								
August								
September								
October								
November								
December								
Calendar Year	510.16	\$ 218.92	\$ 16.09	\$ 166.32	\$ 19.15	\$ 1.59	\$ 47.44	\$ 469.51

Notes:

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⁽¹⁾Weather normalized therms

⁽²⁾Base Rate charges in effect and include Rider UEA, Rider VBA, and Rider SSC

⁽³⁾Charges under Rider UEA-Gas Cost, Rider 11 and Rider EOA

⁽⁴⁾Additional state charges under Rider 1

⁽⁵⁾Additional charges for state and municipal utility taxes under Rider 1

7D. System Modernization Program ("SMP")

	D	1.	D2.		D3.
	SMP Dollars <u>Spent</u>	QIP Dollars <u>Spent</u>	SMP % of QIP	S.C. No. 1 Rider QIP ⁽²⁾	S.C. No. 1 <u>SMP⁽³⁾</u>
January ⁽¹⁾	\$ 21,873,918.39	\$ 18,663,052.64	117.2%	\$ 5.71	\$ 6.69
February ⁽¹⁾	\$ 6,670,437.00	\$ 9,710,307.72	68.7%	\$ 5.20	\$ 3.57
March ⁽¹⁾	\$ 22,124,324.74	\$ 22,047,020.03	100.4%	\$ 5.18	\$ 5.19
April					
May					
June					
July					
August					
September					
October					
November					
December					
Calendar Year	\$ 50,668,680.13	\$ 50,420,380.39	100.5%	\$ 16.09	\$ 15.46

Notes:

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⁽¹⁾In January, 2018 Peoples Gas experienced both business and system process changes with the implementation of a new ERP system. As we worked through stabilizing these changes in the first quarter of 2018 we experienced abnormal splits between SMP and QIP spend.

⁽²⁾ Rider QIP charges from Bill Impact Metric C4.

⁽³⁾Derived by taking D2. multiplied by the Rider QIP charges from Bill Impact Metric C4.

APPENDIX A - NEIGHBORHOOD METRICS

Neighborhood	Construction Status	Install Miles	Retiremen t Miles	Services	Meters	Cost (\$M)	Start Year	End Year	Jan2018 Risk Rank	Mean UMRI
South Shore	In Progress	1.8	1.7	9	9	7.8	In Progress	2018		
Portage Park	In Progress	0.8	1.8	0	0	3.5	In Progress	2018		
South Austin	In Progress	-	14.4	62	395	7.8	In Progress	2018		
Albany Park	In Progress	45.4	30.8	4276	13381	93.0	In Progress	2020		
Ravenswood Manor*	In Progress		in Albany P				In Progress	2020		
Irving Park*	In Progress		in Albany P			40.0	In Progress	2020		
Beverly	In Progress	0.8	9.7	77	330	10.8	In Progress	2018		
West Humboldt Park	In Progress	0.0 6.5	3.0 2.3	21 448	44 541	2.9 17.1	In Progress	2018 2019		
Morgan Park W West Morgan Park	In Progress In Progress	0.3	2.3	0	0	3.0	In Progress In Progress	2019		
Stony Island Park	Not Started	11.9	6.0	1218	1540	26.2	2018	2019	8	0.196
South Edgebrook	Not Started	9.3	5.1	641	641	20.2	2018	2019	23	0.130
Bowmanville	Not Started	11.4	7.0	1014	2607	25.0	2018	2020	2	0.213
Mayfair	Not Started	17.4	10.0	1542	2940	38.3	2018	2020	3	0.278
West Elsdon	Not Started	43.1	25.9	4489	5043	94.8	2018	2021	17	0.263
Lincoln Square	Not Started	5.3	3.4	459	1216	11.4	2019	2020	14	0.135
North Mayfair	Not Started	11.7	7.4	1248	1616	25.0	2019	2021	12	0.217
Norwood Park East	Not Started	27.6	17.6	2118	2912	59.1	2019	2022	7	0.197
Old Norwood Park	Not Started	14.9	9.5	802	883	31.0	2020	2021	6	0.180
Kenwood	Not Started	8.6	5.5	429	1031	17.9	2020	2021	18	0.164
Union Ridge	Not Started	15.0	9.5	1539	1742	31.1	2020	2022	9	0.198
Schorsch Village	Not Started	15.9	10.1	1757	2164	33.1	2020	2022	16	0.226
Marquette Park	Not Started	40.3	25.7	4377	6611	83.9	2020	2023	34	0.216
Magnolia Glen	Not Started	2.2	1.4	110	300	4.4	2021	2021	21	0.109
Princeton Park	Not Started	7.9	5.0	644	975	15.9	2021	2022	26	0.334
Avalon Park	Not Started	10.1	6.5 8.5	896 1439	879 1648	20.5 27.2	2021 2021	2022	33	0.158
Irving Woods Budlong Woods	Not Started Not Started	13.4	9.4	1146	3217	29.8	2021	2023 2024	4 19	0.386
Cragin	Not Started	48.6	30.9	4648	8127	98.3	2021	2024	19	0.208
Old Irving Park	Not Started	16.4	10.4	1062	2154	32.6	2021	2023	20	0.135
Edgewater	Not Started	18.2	11.6	1070	3720	36.1	2022	2025	22	0.133
Garfield Ridge	Not Started	65.6	41.8	7691	8243	130.5	2022	2026	38	0.235
Oriole Park	Not Started	18.5	11.8	1531	1713	36.1	2023	2025	25	0.434
West Englewood	Not Started	48.6	30.9	4372	4297	94.9	2023	2026	35	0.243
Belmont Heights	Not Started	32.1	20.5	3900	4475	62.8	2023	2028	24	0.312
Edgebrook	Not Started	7.7	4.9	497	535	14.7	2024	2025	32	0.075
Andersonville	Not Started	9.9	6.3	781	2213	19.0	2024	2026	29	0.164
Roscoe Village	Not Started	13.1	8.3	1615	3196	25.1	2024	2026	30	0.218
Bridgeport	Not Started	18.1	11.5	833	1618	34.7	2024	2026	39	0.091
Norwood Park West	Not Started	23.8	15.2	2047	2137	45.7	2024	2027	11	0.292
Ravenswood	Not Started	35.8	22.8	2624	8438	68.7	2024	2027	27	0.162
South Chicago	Not Started	52.6	33.5	4698	6453	100.9	2024	2027	37	0.156
Jefferson Park	Not Started	86.6	55.1	8699	11837	166.1	2024	2028	36	0.188
Calumet Heights	Not Started	39.5	25.1	3940	4506	75.2	2025	2027	40	0.271
Trumbull Park	Not Started	0.4	0.2	9	13	0.7	2026	2026	42	0.888
Belmont Terrace	Not Started	8.2	5.2 3.7	816 498	887 820	15.5 11.0	2026 2026	2027 2027	41 43	0.262
Hermosa Jeffen Maner	Not Started	5.8								0.079
Jeffery Manor West Rogers Park	Not Started Not Started	16.1 68.6	10.3 43.7	1795 5257	1859 11563	30.5 129.6	2026 2026	2028 2029	45 46	0.214 0.147
Gage Park	Not Started	29.6	18.9	3101	4070	56.0	2026	2029	47	0.147
Rosemoor	Not Started	16.5	10.5	1872	2011	31.3	2027	2029	48	0.152
Chatham	Not Started	40.9	26.1	3963	6057	77.6	2027	2030	50	0.190
Brainerd	Not Started	29.6	18.9	2704	3328	56.1	2027	2031	49	0.192
Galewood	Not Started	29.4	18.7	2905	3440	55.8	2027	2031	51	0.196
Wrightwood	Not Started	31.5	20.0	3110	3232	59.6	2027	2031	52	0.200
Peterson Park	Not Started	4.1	2.6	414	615	7.8	2028	2028	53	0.390
Edison Park	Not Started	2.4	1.5	124	388	4.6	2028	2028	54	0.046
Hyde Park	Not Started	1.3	0.8	14	49	2.4	2028	2028	57	0.041
South East Ravenswood	Not Started	3.7	2.4	246	810	7.1	2028	2029	62	0.064
Little Village	Not Started	20.4	13.0	602	1198	38.8	2028	2030	55	0.075
West Woodlawn	Not Started	18.0	11.5	1216	2471	34.2	2028	2030	60	0.156
Arcadia Terrace	Not Started	8.8	5.6	963	2001	16.8	2028	2030	63	0.259
Heart of Chicago	Not Started	19.5	12.4	2235	5524	37.0	2028	2032	58	0.136
West Lawn	Not Started	51.8	33.0	6036	6871	98.3	2028	2032	59	0.185
Grand Crossing	Not Started	33.3	21.2	2246	3711	63.3	2028	2032	61	0.183
Ashburn	Not Started	36.3	23.1	3691	3827	68.9	2028	2033	56	0.165
University Village / Little Italy	Not Started	2.1	1.3	6	1	4.0	2029	2029	66	0.033
East Chatham	Not Started	12.4	7.9	843	2889	23.8	2029	2031	64	0.164
Brighton Park	Not Started	36.2	23.1	3131	5115	69.6	2029	2031	67	0.113
Lawndale	Not Started	30.6	19.5	1896	3471	58.9	2029	2033	65	0.077
Hanson Park	Not Started	2.3	1.5	269	500	4.5	2030	2030	72	0.321
South Old Irving Park	Not Started	1.9	1.2	133	304	3.8	2030	2030	75 C0	0.202
The Bush	Not Started	6.3	4.0	513	741	12.3	2030	2031	68	0.237
Chicago Lawn	Not Started	10.0	6.4	955	1372	19.5	2030	2031	69	0.119
Washington Heights Washington Park	Not Started Not Started	13.4 14.6	8.5 9.3	1135 450	1116 1806	26.1 28.4	2030 2030	2031 2032	77 71	0.124 0.124
				450						

APPENDIX A - NEIGHBORHOOD METRICS

Neighborhood	Construction Status	Install Miles	Retiremen t Miles	Services	Meters	Cost (\$M)	Start Year	End Year	Jan2018 Risk Rank	Mean UMRI
Sauganash	Not Started	25.8	16.4	2053	2269	50.2	2030	2033	70	0.169
Wrightwood Neighbors	Not Started	13.9	8.9	1200	3673	27.2	2030	2033	73	0.163
Fernwood	Not Started	22.4	14.3	2242	2091	43.6	2030	2033	76	0.189
Kelvin Park	Not Started	4.3	2.7	348	504	8.5	2031	2031	78	0.125
Heart of Italy	Not Started	0.9	0.6	2	7	1.8	2031	2031	83	0.122
Pulaski Park	Not Started	10.8	6.9	1,104	1,140	21.3	2031	2032	79	0.307
McKinley Park	Not Started	12.7	8.1	1,389	2,469	25.2	2031	2033	80	0.119
Big Oaks	Not Started	16.9	10.8	1,787	1,809	33.5	2031	2033	84	0.220
North Austin	Not Started	20.4	13.0	1,760	2,990	40.5	2031	2034	81	0.085
Park Manor Ravenswood Gardens	Not Started Not Started	36.3 1.2	23.1 0.8	3,151 120	5,406 342	71.8 2.4	2031 2032	2034 2032	82 86	0.144 0.201
Gladstone Park	Not Started	5.8	3.7	540	841	11.7	2032	2032	87	0.201
Ukrainian Village	Not Started	9.4	6.0	773	2,588	18.9	2032	2034	94	0.473
Archer Heights	Not Started	24.1	15.4	2,046	2,719	48.7	2032	2035	88	0.142
West Town	Not Started	40.1	25.5	2,841	6,952	80.8	2032	2035	89	0.097
West Pullman	Not Started	49.9	31.8	4,070	4,027	100.5	2032	2035	91	0.116
Rogers Park	Not Started	1.8	1.2	22	59	3.7	2032	2035	93	0.020
Bronzeville	Not Started	24.1	15.4	670	1,864	48.7	2032	2035	95	0.076
Lake View	Not Started	61.2	39.0	5,555	16,560	123.3	2032	2036	85	0.130
East Pilsen	Not Started	2.6	1.6	113	217	5.2	2033	2033	100	0.098
Sheffield Neighbors	Not Started	1.1	0.7	30	42	2.3	2033	2033	105	0.052
Cottage Grove Heights	Not Started	7.9	5.0	874	850	16.2	2033	2034	96	0.145
Marynook	Not Started	8.2	5.2	898	949	16.8	2033	2034	97	0.346
Longwood Manor	Not Started	15.1	9.6	1,665	1,625	31.0	2033	2035	101	0.158
Park West	Not Started	9.2	5.9	726	2,167	18.9	2033	2035	103	0.180
Old Town	Not Started	8.6	5.5	510	2,123	17.7	2033	2035	104	0.096
Morgan Park E	Not Started	27.1	17.3	2,567	2,603	55.6	2033	2036	98	0.137
Belmont Central	Not Started	39.7	25.3	4,542	6,497	81.4	2033	2036	99	0.146
Back of the Yards	Not Started	16.1	10.3	1,573	2,997	33.1	2033	2036	102	0.059
Logan Square	Not Started	64.4	41.0	6,113	14,892	132.1	2033	2037	106	0.101
East Beverly	Not Started	5.4	3.4	153	124	11.3	2034	2034	107	0.027
Lithuanian Plaza	Not Started	1.4	0.9	175	264	2.9	2034	2034	110	0.190
West Loop Gate	Not Started	0.5	0.3	3	67	1.0	2034	2034	111	0.079
Scottsdale	Not Started	41.1	26.2	4,153	4,282	85.7	2034	2036	109	0.232
Uptown	Not Started	15.2	9.7	768	3,996	31.7	2034	2037	113	0.136
Humboldt Park	Not Started	49.7	31.6	4,672	10,865	103.7	2034	2038	112	0.153
Montclare	Not Started	33.5	21.3	3,334	4,547	69.8	2034	2039	108	0.144
O'Hare	Not Started	3.5	2.2	93	338	7.3	2035	2035	114	0.043
Chinatown	Not Started	2.6	1.7	226	694	5.6	2035	2035	116	0.126
Forest Glen	Not Started	4.7	3.0	444	471	10.0	2035	2035	119	0.265
Wrigleyville	Not Started	3.6	2.3	379	1,304	7.6	2035	2036	115	0.147
North Park	Not Started	8.1	5.1	797	1,647	17.1	2035	2036	117	0.144
Near North	Not Started	9.5	6.1	225	583	20.2	2035	2036	121	0.058
Burnside	Not Started	16.6	10.6	1,306	1,423	35.3	2035	2037	122	0.088
South Deering	Not Started	27.0	17.2	2,227	2,482	57.4	2035	2038	120	0.085
Gresham	Not Started	65.5	41.7	5,651	7,473	139.2	2035	2039	118	0.118
Schorsch Forest View	Not Started	1.1	0.7	2	2	2.4	2036	2036	126	0.060
West De Paul	Not Started	1.7	1.1	109	276	3.6	2036	2036	127	0.038
Lathrop Homes	Not Started	3.1	2.0	129	595	6.7	2036	2036	128	0.034
The Island	Not Started	0.0	0.0	-	-	0.0	2036	2036	129	0.070
Dearborn Homes	Not Started	0.6	0.4	- 570	- 600	1.4	2036	2036	131	0.130
Pill Hill Noble Square	Not Started Not Started	5.7 10.6	3.6 6.8	579 987	600 3,369	12.3 23.0	2036 2036	2037 2038	130 123	0.342
Pilsen	Not Started	20.6	13.1	1,343	3,369	23.0 44.7	2036	2038	125	0.094
Woodlawn	Not Started	17.7	11.2	910	2,799	38.3	2036	2039	132	0.099
Englewood	Not Started	73.0	46.5	5,623	6,715	158.6	2036	2039	135	0.103
Lincoln Park	Not Started	22.4	14.3	1,613	4,187	48.6	2036	2040	143	0.103
East Garfield Park	Not Started	31.5	20.1	1,912	3,502	68.5	2036	2040	161	0.209
The Gap	Not Started	1.0	0.6	2	7	2.1	2037	2037	138	0.094
Winneconna Parkway	Not Started	1.5	0.9	64	123	3.3	2037	2037	139	0.003
West Garfield Park	Not Started	2.2	1.4	-	-	4.8	2037	2037	140	0.032
West Chatham	Not Started	4.3	2.8	460	578	9.7	2037	2037	141	0.082
Parkview	Not Started	2.2	1.4	221	244	4.9	2037	2037	144	0.051
Goose Island	Not Started	4.0	2.6	30	78	9.0	2037	2037	145	0.056
Near West Side	Not Started	6.8	4.3	257	562	15.0	2037	2038	134	0.046
West Chesterfield	Not Started	9.0	5.7	931	943	19.9	2037	2038	136	0.141
Hollywood Park	Not Started	4.9	3.1	539	1,117	10.9	2037	2038	137	0.122
South Loop	Not Started	10.6	6.7	152	669	23.4	2037	2038	146	0.051
Edgewater Beach	Not Started	10.2	6.5	485	2,792	22.7	2037	2039	142	0.103
Buena Park	Not Started	8.3	5.3	392	2,286	18.5	2037	2039	148	0.124
East Ukrainian Village	Not Started	11.6	7.4	1,270	3,900	25.8	2037	2040	147	0.116
Lake View East	Not Started	13.5	8.6	668	4,154	30.0	2037	2040	151	0.081
Bucktown	Not Started	32.0	20.4	3,416	7,865	71.1	2037	2040	167	0.048
Wicker Park	Not Started	18.9	12.0	1,549	4,466	41.9	2037	2040	173	0.053
Edgewater Glen	Not Started	2.1	1.3	160	385	4.8	2038	2038	154	0.110
Ida B. Wells / Darrow Homes	Not Started	0.8	0.5	-	-	1.9	2038	2038	156	0.037
Dunning	Not Started	10.0	6.4	1,240	1,427	22.7	2038	2039	149	0.063

APPENDIX A - NEIGHBORHOOD METRICS

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Neighborhood	Construction Status	Install Miles	Retiremen t Miles	Services	Meters	Cost (\$M)	Start Year	End Year	Jan2018 Risk Rank	Mean UMRI
Vittum Park	Not Started	7.8	5.0	903	960	17.7	2038	2039	152	0.229
Palmer Square	Not Started	8.4	5.4	778	2,047	19.1	2038	2039	153	0.175
North Center	Not Started	9.4	6.0	708	1,551	21.3	2038	2039	155	0.076
Belmont Gardens	Not Started	5.0	3.2	403	898	11.4	2038	2039	157	0.084
Avondale	Not Started	13.1	8.3	847	1,856	29.6	2038	2040	162	0.042
Gold Coast River North	Not Started Not Started	12.8 4.2	8.2 2.6	652 138	1,595	29.1 9.6	2038	2040	182 163	0.080
Lakewood - Balmoral	Not Started	2.9	1.9	251	525 484	6.8	2039 2039	2039 2039	164	0.055 0.070
Hegewisch	Not Started	0.1	0.0	-	-	0.2	2039	2039	165	0.022
Graceland West	Not Started	3.0	1.9	239	696	6.9	2039	2039	166	0.147
Clearing (W)	Not Started	0.5	0.3	-	-	1.1	2039	2039	169	0.008
Prairie Shores	Not Started	0.4	0.3	3	1	1.0	2039	2039	172	0.049
Illinois Medical District	Not Started	0.6	0.4	10	26	1.3	2039	2039	175	0.031
Ickes Praire Homes	Not Started	0.9	0.6	2	4	2.0	2039	2039	176	0.040
Ranch Triangle	Not Started	0.6	0.4	5	13	1.5	2039	2039	177	0.043
Lake Meadows East Hyde Park	Not Started	0.7	0.5	1 2	1	1.7 0.1	2039 2039	2039 2039	179 180	0.029 0.025
Stateway Gardens	Not Started Not Started	0.0	0.0		-	0.0	2039	2039	183	0.025
Beverly View	Not Started	2.9	1.8	246	252	6.7	2039	2039	184	0.015
LeClaire Courts	Not Started	2.9	1.8	340	331	6.7	2039	2039	185	0.056
Homan Square	Not Started	0.3	0.2	4	2	0.8	2039	2039	186	0.027
Ford City	Not Started	0.0	0.0	-	-	0.1	2039	2039	187	0.002
Printers Row	Not Started	1.4	0.9	31	181	3.2	2039	2039	188	0.084
Fifth City	Not Started	4.7	3.0	199	552	10.9	2039	2039	190	0.073
Kilbourn Park	Not Started	6.3	4.0	433	798	14.7	2039	2040	158	0.139
Douglas Park	Not Started	6.3	4.0	260	589	14.7	2039	2040	160	0.138
Sheridan Park	Not Started	5.1	3.3	318	1,943	11.9	2039	2040	168	0.109
Old Town Triangle	Not Started	9.1	5.8	734	1,809	21.1	2039	2040	170	0.143
London Town	Not Started Not Started	4.3 3.5	2.7	445 179	758 817	9.9 8.2	2039 2039	2040 2040	174 178	0.048
Margate Park The Loop	Not Started	8.6	5.5	147	323	20.0	2039	2040	189	0.009
Parkway Gardens	Not Started	0.6	0.4	4	5	1.4	2040	2040	191	0.023
Cabrini Green	Not Started	0.3	0.2	- '	-	0.6	2040	2040	192	0.026
North Kenwood	Not Started	0.2	0.1	4	18	0.5	2040	2040	193	0.024
Prairie District	Not Started	0.9	0.6	10	40	2.2	2040	2040	194	0.026
South Commons	Not Started	1.4	0.9	80	107	3.3	2040	2040	196	0.017
Magnificent Mile	Not Started	0.4	0.3	1	1	0.9	2040	2040	197	0.049
Tri-Taylor	Not Started	-	-	-	-	-	2040	2040	198	0.061
The Villa	Not Started	0.6	0.4	-	-	1.5	2040	2040	199	0.030
Dearborn Park	Not Started	1.7	1.1	121	203	4.0	2040	2040	202	0.021
West Beverly Mount Greenwood	Complete Complete	-	-	-	-	-		2017		0.048
Altgeld Gardens	Complete	-	-	-						0.029
Horner Park	Complete	_	_	_	_	_				0.054
East Side	Complete	-	-	-	-	-				0.032
Sleepy Hollow	Complete	-	-	-	-	-				0.006
Wentworth Gardens	Complete	-	-	-	-	-				0.042
Canaryville	Complete	-	-		-	-				0.037
Fuller Park	Complete	-	-	-	-	-				0.032
Marycrest	Complete	-	-	-	-	-				0.031
Oakland	Complete	-	-	-	-	-				0.030
River West Fulton River District	Complete Complete	-	-	-	-	-				0.029 0.026
Jackson Park Highlands	Complete	-	-	-	-	-				0.026
Harbour Point Estates	Complete	-	-	-		-				0.025
Streeterville	Complete	-	-	-	-	-				0.025
Beverly Woods	Complete	-	-	-	-	-				0.025
Tally's Corner	Complete	-	-	-	-	-			İ	0.024
The Robert Taylor Homes	Complete	-	-	-	-	-				0.019
Riverdale	Complete	-	-	-	-	-				0.016
Near East Side	Complete	-	-	-	-	-				0.016
Chrysler Village	Complete	-	-	-	-	-				0.015
Brynford Park	Complete	-	-	-	-	-		 		0.014
Kennedy Park Pullman	Complete Complete	-	-	-	-	-		-		0.014
Golden Gate	Complete	-	-	-	-	-		1		0.011
Wildwood	Complete	-	-	-	-	-		-		0.011
Eden Green	Complete	-	-	-	-	-				0.009
Mount Greenwood Heights	Complete	-	-	-	-	-				0.007
River's Edge	Complete	-	-	-	-	-		İ		0.007
Groveland Park	Complete	-	-	-	-	-				0.006
Clearing (E)	Complete	-	-	-	-	-				0.005
Sauganash Woods	Complete	-	-	-	-	-				0.002
Greektown	Complete	-	-	-	-	-		ļ		0.001
Old Edgebrook	Complete	-	-	-	-	-	<u> </u>	1	<u> </u>	0

APPENDIX B - PI/SI METRICS

Project	Construction Status	Driver	linstali Miles	Retirement Miles	Services	Meters	Cost (\$M)	UMRI Rate >=5
Monroe Michigan to Franklin Loop Main Replacement - Phase 1	Complete - Q1	SI	0.1	0.1	0	0	\$1.4 M	No
Sewer 7174 - 94th & Calumet	Complete - Q1	PI	0.0	0.0	0	0	\$0.1 M	No
Warren & Oakely - Phase 2	Complete - Q1	SI	1.8	1.6	178	1	\$4.4 M	No